4

State and Local Strategies to Protect Ground Water

This chapter contains the bulk of the information that the committee has collected and evaluated on each of the different strategies and components of the state and local ground water protection programs described in Chapter 3. This is not a comprehensive inventory and assessment of all ground water protection programs currently in place in these states and local areas. Each of the state and local programs was examined for particular characteristics, which, when viewed collectively, cover most of the major approaches to ground water protection that have been attempted across the United States.

The committee classified ground water protection program approaches into five major categories:

1. Information Collection and Management Systems
2. Classification Systems
3. Ground Water Quality Standards
4. Control of Contamination Sources
5. Implementation of Ground Water Protection Programs

INFORMATION COLLECTION AND MANAGEMENT SYSTEMS

A successful program must be founded on an information base that allows proper definition of problems and evaluation of prevention strategies. A prevention program should be based on adequate surveys of (1) water resources and their location, (2) ground water basin characteristics with re-